Observing Application

Date :	May, 27 2008
Proposal ID :	VLA/08A-245
Legacy ID :	AC931
PI :	C. (Teddy) Cheung
Type :	Rapid Response - Exploratory Time
Category :	Galactic
Total Time :	2.0

Search for a Variable Radio Source in the Transient AGILE Cygnus Source Field

Abstract:

Rapid response VLA observations of the recently detected flaring gamma-ray source in the Cygnus region are requested. These VLA observations will search for a point source counterpart to the Cygnus source -- detected radio variability over the proposed 2 epochs of observations and historical data will support the association.

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Related proposals:

Joint:

Not a Joint Proposal

Observing type(s):

Continuum, Monitoring

VLA Resources

Name	Conf.	Frontend & Backend	Setup
L-band	D	L Band 20 cm 1000 - 2000 MHz VLA Correlator - Single Channel Continuum	Rest frequencies: 1464.9,1385.1 MHz Bandwidth: 50 MHz

Sources:

Name	RA / RA Range	Dec / Dec Range	Epoch	Velocity / z	Group
AGILE Cygnus Transient	20:18:19.1 00:00:05.0	+40:27:59 00:00:05	J2000	Velocity : 0.00	Source 1

Sessions:

Name	Session Time (hours)	Repeat	Separation	LST minimum	LST maximum	Elevation Minimum
AGILE source	1.00	2	2 day	17:30:00	23:30:00	20

Session Constraints:

Name	Constraints	Comments

Session Source/Resource Pairs:

Session Name	Source	Resource	Time	Figure of Merit	Subarray
AGILE source	AGILE Cygnus Transient	L-band	1.0 hour	0.1 mJy/bm	

Present for observation: no Staff support: Consultation Plan of Dissertation: no